THE STATE OF THE S

															w															EM	4
1	CH60 BORPE 19	*YEPHSPCRP1 19	CH63 RHIME 19	CH60 ACYPS 19	CH62 BRAJA 19	RSU373691 191	* S26423 191	* S52901 191	CH60 PORGI 191	CH63_BRAJA_190	*CH60 YEREN 19	* CH60 LEGMI 190	CH61 RHIME 19	* CH60 HAEDU 19	* CH60 AMOPS 190	# CH60 CAUCR 19	* CH60 HAEIN 191	CH60 BRUAB 19	JC4519 191	* CH60 ACTAC 189	* LPNHTPBG 190	S47530 191	CH60 LEPIN 19	* SS6371 191	* CH60 SALTI 19	* CH60 ECOLI 19					
	1 IRDLLPVLEQU	1 IREMLPULEAU	_	~		LOPMYPLLEA	IREMLPVLEAV	بند	1 LKEMLPILEQT	O LNEILPILEAV	1 IREMLPVLEAV	O IRDMLSVLEAV	1 LOAMLPVLEAV	1 IREILPVLEAU	O IRDMLSVLEAV	O LOPLPVLEAV	1 IRELLPYLEG	1 LQALLPVLEAV	IRELLPVLEG		IREMLSVLEGV	LKEMLPILEQ1	O MKDLIHILEKV	IREMLPVLEAU	O IREMLPVLEAV	O IREMLPULEAU	×			(1)	
	EQV	EAV	ERV	ESV	EAV	EAV	EAV	EAV	BOT	EAV	EAV	EAV	EAV	EAV	EAV.	AVV	EGV	EAV.	EGV	EGV	EGV	EQT	EKV	EAV	EAV	EAV.	· <b>X</b>	•	240	(10)	
		AKAG	vosc	AKSGKPLL	vose	IQSQ	AKAG	AKAGKPLLI	VQTGKPLLI	VQTGKPLVI	AKAGKPLLI	AKSGPSLLI		AKAG	AKSG		AKAGKPLLI	VQTSKPLL	AKAG	AKAGKPLL		VQTGKPLLI	AQAG	AKAG	AKAG	AKAG	×				
	AKS SRPLL I TAEDVE	AKAGKPLLI I AEDVE	VQSGKPLLIJAEDVE	•	. VQSGKPLVIIAEDVE	IQSQKPLLITAEDVE							<b>)</b>			QSGRPLLIIAEDVE		-	<b> +</b>	-		•			AKAGKPLLI IAEDVE	AKAGKPLLIIAEDVE		*	250	(20)	
	<b>IAEDVEGEALATLVVNNIRGIL</b>	<b>IAEDVEGEALATLYVNIMRGIV</b>	<b>IAEDVEGEALATIVVNKIRGGL</b>	<b>ISEDLEGEALATLVVNSMRGIV</b>	<b>IAEDVEGEALATLVVNRLRGGL</b>	<b>IAEDVEGEALATIVVNKLRGGL</b>	<b>IAEDVEGEALATLVVNTMRGIV</b>	<b>IAEDVEGEALATLVVNTMRGIV</b>	<b>IAEDNDSEALPTLVVNRLRGSL</b>	VAEDVEGEALATIVVNRIRGGL	<b>IAEDVEGEALATLVVNTMRGIV</b>	<b>IAEDVEGEALATIVVNNMRGIV</b>	<b>IAEDVEGEALATLVVNKLRGGL</b>	IAEDVEGEALATLVVNIMRGIV	VAEDVEGEALATIVVNNMRGIV	<b>IAEDVEGEALATLVVNKLRGGL</b>	<b>IAEDVEGEALATLVVNTMRGIV</b>	<b>IAEDVEGEALATIVVNKLRGGL</b>	IAEDVEGEALATLVVNTMRGIV	<b>IAEDVEGEALATLVVNTMRGIV</b>	IAEDVEGEALATLVVNNMRGIV	<b>IAEDIDSEALATLYVNRLRGSL</b>	<b>ISEEVEGEALATIVVNTLRKTI</b>	<b>IAEDVEGEALATLVVNTMRGIV</b>	IAEDVEGEALATLVVNTMRGIV	IAEDVEGEALATLVVNTMRGIV	x xx xxx		260	(30) (	
	RGIL	RGIV	RGGL	RGIV	RGGL	RGGL	RGIV	RGIV	RGSL	RGGL	RGIV	RGIV	RGGL	RGIV	RGIV	RGGL	RGIV	RGGL	RGIV	RGIV	RGIV	RGSL	PKTI	RGIV	RGIV	RGIV	×	*	270	(40)	

FIG. 9(a)



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CH60_NEIGO_191 CH61_CUCMA_222 CH60_MYCPA_189 MPU15989_230	#CH60_CHRVI_191 *CH60_MYCTU_189 CH60_NEIME_191 CH60_TREPA_189 CH60_TREPA_189	#CH60_PSEPU_191 CH60_PSEPU_191 CH60_SYNP7_190 CH60_GALSU_190 CH60_ZYMMO_190	CH61_STRCO_18 CH60_COXBU_191 CH62_RHIME_191 PSEGROESL1_191 CH61_SYNY3_189	CH60_BACSU_181 CH60_BACSU_191 CH60_AGRTU_191 836917_191 * PAU17072_191 CH60_RHILV_191	* CH60 PSEAE 19: CH60 BARBA 19: BAOBB63A 19: CH60 BACST 18:
<b>ЧЧНЗ</b>	KKHKHP	H < < 10 U			
IRDILEVIEQVINAVVKVLELAVKDLLPLLEKVVKDLLPLLEKV	CQSILPILESV	IQDILPILEQISRAAASTERAVQDLVPVLEQVVQDLVPVLEQVVQQDLLPVLEQVVQQDLLPVLEQIVQQDLLPVLEQIVQSILPILESV.	IADLIPLIEKVI IRELIPLIENV IREMIPILESV IREMIPVIEAV VQDLVPILEQV	IQEILPVLEQV IQAMLPVLEAV LQAMLPVLEAV LQAMLPVLEAV IREMLPVLEAV IREMLPVLEAV	LQALLPVLEAV
MKEGKPLLIIAEDIEGEALTTLVVNKLRGVL AKASRPLLIIAEDVEGEALATLVVNNIRGVL LKKQRPLLIVSEDVESEALATLILNKLRAGI IQAGKPLLIIAEDVEGEALSTLVVNKIRGTF IQAGKPLLIIAEDVEGEALSTLVVNKIRGTF	VQSGRPLLIIAEDIEGEALATLVVNKLRGGL AKAGKPLLIIAEDVEGEALATLVVNTIRGIV IGAGKPLLIIAEDVEGEALSTLVVNKIRGTF AKASRPLLIIAENVEGEALATLVVNNIRGIL AKASRPLLIIAEDVEGEALATLVVNSLRGTL	32225	VQTGKPLLIVAEDVEGEALATIVVNKLRGGIQANASKPLLIIAEDLEGEALSTLVVNKIRGTFAKSGRPLLVIAEDIEGEALATLVVNNIRGVVIQSGKPLLIIAEDVEGEALATLVVNKLRASLAKAGRPLLIVAEDVEGEALATLVVNMRGIVAKAGRPLLIVAEDVEGEALATLVVNMRGIV		VQTSKPLLIIAEDVEGERLATLVVNKLRGGLAKAGRPLLIVAEDVEGEALATLVVNNMRGIVAQSGKPLLIIAEDVEGEALATLVVNKLRGGLVQSGKPLLIIAEDVEGEALATLVVNKLRGGL

FIG. 9(b)



VQELVPIHLELIVVXLRGIV	CH60_PYRSA_217
M	YEAST
	CH60_CLOPE_189
	CH60_STAAU_189
7AESGRPLLIAE	CH60 CHLTR 190
	CH60 MAIZE 224
	ı
	HECHSPABL 190
······································	224
AESGRPLIIAE	161 161
	CH61_STRAL_188
**********************	CH60_LACLA_189
	CH60_STAEP_188
A	"∾
KELLPVLEKV	A49209 190
1	526583 224
	-0
VIQAGKSILI	0
······IQAGKSLLI	CH62 MYCLE 189
/MQSGKPLLII	CH62_STRAL_188
<b>94</b>	CH60 CHLPS 191
	SYOGROEL2_189
AESGRPLL.	S40172_64
IIA	CHTGROESL1 191
	CH62 CUCMA 222
AKSGRPLL	*CH60_LEGPN_190
· · · · · · · · · · · · · · · · · · ·	CH60 NEIFL 191
IQEILPLIEQI	<b>СН60 СТОЛВ 189</b>
773	S40247 191
HAVVKVLEMA	S26582_224

FIG. 9(c)



FIG. 9(d)



FIG. 9(e)